CLAIMS

What is claimed is:

	CA920	000054US1 29		
1	6.	The method of claim 3, wherein said method also comprises allowing said web client to be		
3	whether said web client requests access to said non-secure web pages or said secure web pages.			
2	said secure communication protocol or said non-secure communication protocol depending on			
		The method of claim 4, wherein said web site uses said table to direct said web client to use		
1	5.	The method of claim 4 wherein gold web site and the state of the state		
3	secure web pages and said secure web pages.			
2	and said non-secure communication protocol is facilitated by a table which keeps track of said non-			
Man Real of the Control of the Contr	4.	The method of claim 3, wherein said alternating between said secure communication protocol		
3	alternates requests for access to said secure web pages and said non-secure web pages.			
25 3.4	communication protocol and said non-secure communication protocol when said web client			
£1	3.	The method of claim 2, wherein said method also comprises alternating between said secure		
	access to said secure web pages and verifying said requested authcode cookie.			
4 ⁴		d) requesting said authcode cookie from said web client when said web client requests		
3=	access	s to said non-secure web pages and verifying said requested session cookie; and		
2		c) requesting said session cookie from said web client when said web client requests		
1	2.	The method of claim 1, wherein said method also comprises the steps of:		
6	client	requests access to said secure web pages.		
5	11	b) utilizing a secure communication protocol and an authcode cookie when said web		
	chent	requests access to said non-secure web pages; and		
3 4	ما د مد د	a) utilizing a non-secure communication protocol and a session cookie when said web		
3	CHEIII	t, said web site having secure and non-secure web pages, said method comprising the steps of:		
2		A method of secure session management and authentication between a web site and a web		
1	1.	A method of secure session management and authentication between a web -it 1 1		

- 9 client access to said secure web pages.
- 1 13. The system of claim 12, wherein said web site also includes:
- d) verification means for verifying said session cookie when said session cookie is requested from said web client; and
- e) verification means for verifying said authcode cookie when said authcode cookie is requested from said web client.
- 1 14. The system of claim 13, wherein said web server further comprises a security alternating
- 2 means for alternating between said secure communication protocol and said non-secure
- 3 communication protocol.

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- 15. The system of claim 14, wherein said web server further comprises a table to keep track of said non-secure web pages and said secure web pages.
- 16. The system of claim 13, wherein said web site includes access means to allow said web client to access said web site as a guest client or a registered client.
- 17. The system of claim 16, wherein said web system has storage means for containing stored information about said web client, data contained in said session cookie and data contained in said authcode cookie.
- 1 18. The system of claim 17, wherein said session cookie includes a pointer and an encrypted
- 2 portion, said pointer pointing to said stored information, said encrypted portion having a random
- 3 portion and a date portion.
- 1 19. The system of claim 17, wherein said authcode cookie includes an encrypted portion, said encrypted portion having a random portion and a date portion.

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- 2 web client to be a guest client or a registered client.
- 1 26. The computer program of claim 25, wherein said computer program is adapted to create
- 2 stored information including data contained in said session cookie, data contained in said authcode
- 3 cookie and data about said web client.
- 1 27. The computer program of claim 26, wherein said session cookie includes a pointer and an
- 2 encrypted portion, said pointer pointing to said stored information, said encrypted portion having
- a random portion and a date portion.
 - 28. The computer program of claim 26, wherein said authcode cookie includes an encrypted portion, said encrypted portion having a random portion and a date portion.
 - 29. The computer program of claim 27, wherein verifying said requested session cookie from said web client includes using said stored information to generate a second session cookie and comparing said second session cookie to said session cookie requested from said web client.
 - 30. The computer program of claim 28, wherein verifying said requested authorde cookie from said web client includes using said stored information to generate a second authorde cookie and comparing said second authorde cookie to said authorde cookie requested from said web client.
 - 31. A computer program for creating a NAME attribute in a session cookie, said computer program comprising the steps of:
 - a) generating a user id;
 - b) generating a session string;
 - c) generating a session timestamp;
 - d) appending said session_timestamp to said session_string to create an intermediate

1	J 4 .	The computer program of claim 33, wherein creating a PATH attribute, an EXPIRES	
2	attribute, a DOMAIN attribute and a SECURE attribute in said authcode cookie comprises the steps		
3	of:		
4		a) storing a slash (Ò/Ó) in said PATH attribute;	
5		b) storing a null string (ÒÓ) in said EXPIRES attribute;	
6		c) storing a null string (ÒÓ) in said DOMAIN attribute; and	
7		d) storing the string OsecureO in said SECURE attribute.	